

Geochemical and investigative methods for detecting and quantifying nitrate impact to groundwater resources by CAFOs

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I have been working for the past several years on projects involving groundwater impacts from swine CAFOs in Texas, Oklahoma, and Iowa, and am in the process of preparing a presentation summarizing some of my primary observations.

Primary points include:

- Geochemical and investigative methods for detecting and quantifying nitrate impact to groundwater resources by CAFOs.
- Evaluation of state of the art methods for detecting environmental impact by swine CAFOs, including detection of pharmaceuticals, biomarkers (e.g. sterols), and other trace constituents.
- Current regulatory status of CAFO-related swine waste vis-a-vis RCRA.

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